

Gabel, Yu. O. and Kipryanov, G. I.
REACTION OF TOBACCO SMOKE AS AN INDEX TO
THE QUALITY OF TOBACCO. [1964] 28p
Order from K-H \$16.80 K-H-416

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1930,
v. 5, p. 167-184.

(Chemistry, TT, v. 2, no. 1)

TT-64-12843

I. Gabel, Yu. O.
II. Kipryanov, G. I.
III. K-H-416
IV. Kresgo-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Gabel, Yu. O. and Shmukovskaya, L. G.
PENOSAN CONTENT OF TOBACCO. [1962] 10p.
Order from K-H \$12.50 K-H 5072-a

Trans. of Ukrainskii Khim[icheski] Zhur[nal] (USSR)
1930, v. 5, p. 185-192.

DESCRIPTORS: *Tobacco, Chemical analysis.

(Chemistry--Analytical, TT, v. 9, no. 1)

62-22392

- I. Title: Penosan
- I. Gabel, Yu. O.
- II. Shmukovskaya, L. G.
- III. K-H-5072-a
- IV. Kresge-Hooker Science
Library Associates.
Detroit, Mich.

Office of Technical Services

Thermal Effect Produced in the Absorption of
Different Nitric Oxides by Sulfuric Acid, by
Kartashev, Tseitlin, 7 pp.

RUSSIAN, per Ukrain Khim, Zhur, Vol V, Sci Pt
pp 257-266, 1959.

SLA R-3048

Sci

Jul 59

92, 340

The Desulphurisation of Coke, by Yu. S. Gurariy,
30 pp.

RUSSIAN, per, Ukrain Khim Zhur, Nauk-Tekh Chast,
Vol VI, No 2, 1931, pp 49-83.

Sci Mus Lib 56/2441

Sci - Chemistry

42, 842

Absorption of Oxides of Nitrogen by Sulfuric
Acid (Formation of Nitroso Compounds) and
Some Factors of Denitration, by E. V. Gerburt-
Gelbovich, E. S. Babanov, S. A. Krivonozhev,
12 pp.
RUSSIAN, per, Ukrain Khim Zhur, No 6, 1931, pp
121-134.

SLA R-2547

Sci - Chem

Jun 59

89,401

Preparation of Ammonium Sulfate and
Portland Cement from Gypsum, by D. S.
Dorofeyev and Z. D. Troitskaya, 10 pp.

RUSSIAN, per, Ukrain Kem Zhur, Vol VI,
1931, pp 123-133.

SLA R-2196

Bc1

Aug 58

72,416

Delimarskii, Yu. K.
THE THERMAL ANALYSIS OF ARTIFICIAL ALU-
MINO SILICATES. [1962] [15]p. (figs. omitted)
21 refs.

Order from OTS or SLA \$1.60 63-10362

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR)
1931, v. 6, p. 175-185.

DESCRIPTORS: *Minerals, *Aluminum compounds,
Silicates, Oxides, Synthesis, Chemical precipitation,
*Thermochemistry, Chemical precipitation.

(Chemistry--Physical, TT, v. 10, no. 2)

63-10362

I. Delimarskii, Yu. K.

Office of Technical Services

Gulinov, V. G.
THE PREPARATION OF 1-NAPHTHYLAMINE-2, 4-
DISULFONIC ACID. [1961] 4p.
Order from ATS \$7.00

ATS-33NSOU

Trans. of [Kraib[skiy] Khim[icheskiy] Zhur[nal]
(USSR) 1932 [v. 7] p. 64-68.

DESCRIPTORS: Preparation, *Amines, *Naphthyl
radicals, Sulfonic acids.

(Unannounced)

61-22348

I. Gulinov, V. G.
II. ATS-33NSOU
III. Associated Technical Serv-
ices, Inc., East Orange,
N. J.

161842

Office of Technical Services

Use of Benzene Polychlorides in the
Synthesis of Dyes. IV. p-Aminophenol
from p-Chlorophenol, by A. I. Kipriyanov,
G. I. Kipriyanov, M. M. Dashavskii,

9p.

RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol 7, 1932, pp 83-93.

SLA TT-64-20838

333, 823

Sci

Aug 67

Preparation of Ammonium by Treatment of
Gypsum with Ammonium Carbonate, by I. S.
Teletov, 24 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol VII,
1932, pp 141-168.

SLA R-2197

Sci

Aug 58

72,448

TT-64-16120

Elagina, N. V. and Eidus, Ya. T.
THE REACTION BETWEEN CARBON MONOXIDE AND
ORGANO-MAGNESIUM COMPOUNDS. [1964] 27p
26refs

I. Elagina, N. V.
II. Eidus, Ya. T.

Order from OTS, SLA, or ETC \$2.60 TT-64-16120

Trans. of Uspekhi Khimii (USSR) 1944, v. 13, no. 5,
p. 375-388.

A condensed trans. is available from OTS or SLA \$1.10
as TT-69-10824, 3p.

(Chemistry--Physical, TT, v. 12, no. 4)

Office of Technical Services

TT-64-14899

Dellmarakli, Yu. K. and Khaimovich, R. S.
THE DETERMINATION OF ELECTRODE POTENTIALS
OF METALS IN MOLTEN BROMIDES WITH THE AID
OF GLASS-SODIUM ELECTRODES. [1962] 18p 11refs
Order from UTS, SIA, or ETC \$1.60 TT-64-14899

I. Dellmarakli, Yu. K.
II. Khaimovich, R. S.

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR)
1949, v. 15, p. 340-350.
Another trans. is available from K-H \$22.50 as
K-H-3485-c [1962] 18p.

(Chemistry--Physical, TT, v. 11, no. 11)

Office of Technical Services

Zosimovich, D. P. and Tsimmergaki, V. A.
DECOMPOSITION POTENTIALS OF METAL OXIDES
IN MOLTEN SODIUM HYDROXIDE [1963] 15p
Order from K-H \$15.00 K-H 3485 b

Trans. of *Ukrainskii Khimicheskii Zhurnal* (USSR)
1949, v. 15, p. [341]-351.

DESCRIPTORS: *Metals, *Oxides, Decomposition,
*Sodium compounds, Hydroxides.

(Chemistry--Inorganic, TT, v. 11, no. 4)

TT-63-22793

- I. Zosimovich, D. P.
- II. Tsimmergaki, V. A.
- III. K-H-3485 b
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Zosimovich, D. P. and Tsimmergaki, V. A.
DECOMPOSITION POTENTIALS OF METAL OXIDES
IN MOLTEN SODIUM HYDROXIDE. [1963] 15p
(figs omitted) 12 refs
Order from OTS, SIA, or ETC \$1.60 TT-64-14909

Trans. of Ukrain[ska] Khim[icheska] Zhur[nal] (USSR)
1949, v. 15, p. 351-361.
Another trans. is available from K-H \$15.00 as
K-H-3485-b [1963] 15p.

(Chemistry-Physical, TT, v. 12, no. 1)

TT-64-14909

I. Zosimovich, D. P.
II. Tsimmergaki, V. A.

Office of Technical Services

Kul'skii, I. A., Koganovskii, A. M. and
Shevchenko, M. A.

INFLUENCE DES ANIONS CONTENUS DANS LES
EAUX NATURELLES SUR LA VITESSE DE COAGULA-
TION DES SOLS D'ALUMINE (Vliyaniye Anionov, Soder-
zhashchikhsviv Prirodnykh Vodakh, na Skorost' Koagu-
lyatsii Zol'ya Gidroksidi Alyuminiya) (The Influence of
Anions Contained in Natural Waters on the Speed of
Coagulation of Aluminium Hydroxide Sol). 24p. (Fo-
reign text included) -refs. CNRS-VIII bis 562.
Order from OTS, ETC or CNRS \$0.90 TT-62-28301

Trans. in French of *Ukrainskii Khimicheskii Zhurnal*
(USSR), 1950, v.16, no.1, p.64-73.

DESCRIPTORS: Anodes, Ions, *Aluminum compounds,
*Hydroxides, Colloids, *Coagulation.

(Chemistry--Physical) TT, v. 11, no. 7)

TT-62-28301

- I. Kul'skii, I. A.
- II. Koganovskii, A. M.
- III. Shevchenko, M. A.
- IV. CNRS-VIII bis 562
- V. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

TT-64-15360

Kudra, O. K. and Turov, P. P.
THE EVOLUTION OF SPONGY CATHODIC DEPOSITS
OF COBALT FROM ACETONE SOLUTIONS, COM-
MUNICATION I (O Vydelenii Rykhlykh Katodnykh
Osadkov Kobal'ta iz Atsetonovykh Rastvorov. Soobsh-
chenie I)

Leonard Shapiro, tr. [1964] [15p] 12refs
Order from OTS SLA or ETC \$1.60 TT-64-15360

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1950,
v. 16, no. 2, p. 230-241.

I. Kudra, O. K.
II. Turov, P. P.

(Chemistry--Physical, TT, v. 12, no. 2)

Office of Technical Services

Delimarskii, Yu. K., Berenblyum, L. S., and
Sheiko, I. N.
DECOMPOSITION POTENTIALS OF METAL
CHLORIDES IN THE FUSED SYSTEM $AlCl_3$ -NaCl.
[1962] 13p.

Order from K-H \$16.25

K-H 3763 e

Trans. of Ukrai[ni] Khim[icheskii] Zhur[nal] (USSR)
1950, v. 16, p. 254-263.

DESCRIPTORS: Metals, *Aluminum compounds,
*Sodium compounds, *Chlorides, Fused materials,
Decomposition.

(Chemistry--Physical, TT, v. 9, no. 11)

63-12916

I. Delimarskii, Yu. K.
II. Berenblyum, L. S.
III. Sheiko, I. N.
IV. K-H-3763-e
V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Study of Decantation and Filtration Followed by Washing of the Precipitate in Production of Ammonium Sulfate from Gypsum, by P. S. Z. Koval, I. Z. Yasnogorodskiy, Z. L. Alekseyevich, 8 ip.

RUSSIAN, *Izvestiya Khim Znan*, Vol VII, 1932, pp 169-177.

SLA R-3016

Bc1

Jul 59

92,606

Catalytic Production of Chlorine From Hydrochloric
Acid, by M. O. Kharmandaryan, G. Priklad'ko,
5 pp.

RUSSIAN, per, Ukrainskiy Khim Zhur, Vol VIII,
1933, pp 68-71.

Sci Trans Center
RT-2329

26,687

Scientific - Chemistry

Sep 55 CTS/DEX

Catalytic Decomposition of Sodium Amalgam,
by A. S. Fokin, M. A. Rabinovich, 26pp.
RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol. 8, No 3/4, 1933, pp 355-365.
CFSTI TT-64-18925.

322,605

Sci - Electronics &
Electrical Engineering
Mar 67

Kinetics of Absorption of Nitrogen Oxides
by Sulfuric Acid of 60°Be, by A. N.
Tzeitlin, 19 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol X,
1935, pp 242-310.

SLA R-2209

Sci

Aug 58

72,142

Determination of Silicates by Means of 8-Hydroxy-
quinoline, by M. I. Velinets, 5 pp.

RUSSIAN, per, ^YUkrain Khim Zhur, Vol 11, 1936, pp
18-22.

SLA R-3302

Sci

Aug 54

93, 530

Heats of Formation and of Dilution of Saturated
Aqueous Solutions, by A. S. Fedorov, G. F.
Silchenko, 11 pp.

RUSSIAN, Ser. Khimicheskii Zhurnal, Vol XII, 1937,
pp 53-60.

SLA/R-2484

Sci
Apr 59

84, 857

Reaction in Solid State Between Silica and Lime,
and Between Burned or Unburned Kaolin and Lime,
by B. P. Bobadkov, B. P. Bobrovnik, 5 pp.

RUSSIAN, ^{Ukrain}er, ^AUkrain Khim Zhur, Vol XII, pp
190-196

SLA R-2993

Sci

Jul 59

91, 407

REF. TO CHECK

TESTING OF TECHNICAL METHOD FOR THE
SIMULTANEOUS PRODUCTION OF SULFURIC AND
NITRIC ACIDS

TSUYTSEN, A B; SMIRNOVA, O P

UR: UKRAINSKIY KHIMICHESKIY ZHURNAL, 1, 63,
NO. 23, PP. 987-~~988~~ 990

Need doc - have very poor copy
Proven in as
HT 73 - 23 - 0302

Physicochemical Principles of Theuren Synthesis, by
A. I. Krasil'shchikov, 12 pp.

RUSSEAN, per, Uspekhi Khim, Vol VII, 1938, pp 1042-
1051.

SLA/R-2584

Sci

Apr 59

84,877

Electrochemical Series of Metals in
Fused Salts, by Yu. K. Delimarskii, 34p.

RUSSIAN, per, Uspinski Khimicheskii
Zhurnal, Vol 16, 1950, pp 414-437.

SLA TR-64-20334

AEC Tr. No 1969

RT 2055

336, 175

Sci

Aug 67

The Reversible Glass - Tin - Sodium Reference
Electrode in Fused Salts, by Yu. K. Delimarskiy,
A. A. Kolotti, 14 pp.

RUSSIAN, per, Ukrain Khim, Zhur, Vol XVI, 1950,
pp 433-446.

4

AEC Tr 2475 35,747

Sci - Minerals/Metals, Chemistry

Jun 1956

The Use of Radiant Energy for the Drying of Highly Hydrated Food Biocolloids, by N. A. Ivannikova.

UKRAINIAN, per, ~~Ukrainskiy~~ Khim Zhur, Vol XVI, No 5, 1950, pp 569-587.

*OTS-60-21102
(PL 480)

Sci - Chem
Mar 60

[Aleksandrov, G. F. and Levchenko, T. F.]
DETERMINATION OF IODINE AND BROMINE IN
OIL-WELL WATER BY THE METHOD OF DIFFER-
ENTIAL TITRATION [Opredeleniye Ioda i Broma v
Vurovykh Metodakh Differentsirovannogo Titrovaniya].
[1963] 17p. 16 refs.

Order from OTS or SLA \$1.60

63-14097

Trans. of Ukrainski Khimicheski Zhurnal (USSR)
1950 [v. 16, no. 6] p. 599-611.

DESCRIPTORS: *Iodine, *Bromine, Volumetric
analysis, Petroleum, Water, Mixtures, Solutions.

There was verified an iodimetric method for the
determination of the bromine in standard solutions as
well as in petroleum waters, in doing which it has
been found, among other things, that the presence of
sodium chloride has no influence on the precision of
(Chemistry--Analytical, TT, v. 10, no. 7) (over)

63-14097

I. Aleksandrov, G. P.
II. Levchenko, T. F.

Office of Technical Services

Dashevskaya, B. I. and Levitskaya, I. B.
TRANSFORMATIONS IN THE TEREPHTHALIC ACID
SERIES. [1962] 4p. 7 refs.
Order: from OTS or SLA \$1.10

62-16232

Trans. of Ukrain. Khimicheskii Zhurnal (USSR)
1950, v. 16, p. 616-619.

DESCRIPTORS: Transformations, *Phthalic acids,
Benzenes, Acetates, Acetic acids, Amides.

Two alternate syntheses of the diacetate of
1,4-diglycolbenzene are realized. (Author)

(Chemistry--Organic, TT, v. 8, no. 6)

62-16232

I. Dashevskaya, B. I.
II. Levitskaya, I. B.

Office of Technical Services

On the Electrolytic Separation of Lithium From
Non-Aqueous Solutions, by S. I. Yakubson, M. A.
Abramova, 14 pp.

RUSSEIAN, ger, Ukrainskiy Khim Zhur, Vol XVII,
No 6, 1951, pp 902-910.

21, 467

Sci Trans Center
WT-2134

Scientific - Chemistry

Feb 55 CTS/DEX

Colour of Organic Compounds and the So-Called
Theory of Resonance, by A. I. Kipryanov.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XVIII,
1992, pp 339-346.

DSIR LLU M.1961
(loan)

Sci - Chem

Oct 60

130,774

Study of the Thermal Decomposition of Formates of
the Series From Manganese to Copper, by
V. P. Kornienko,

RUSSIAN, per, Ukrainskiy Khim. Zhur, Vol XVIII,
No 6, 1952, pp 579-588.

22,145

Brutcher Tr No 3397
\$8.50

Scientific - Min/Metals

Apr
May 55 CTS

Kornienko, V. P.
THERMAL DECOMPOSITION OF FORMATES OF THE
MANGANESE-COPPER RANGE. 16p. 15 refs.
MTWL-929.

Order from OTS or ETC \$1.85 61-17579

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR)
1952, v. 18, no. 6, p. 579-588.

DESCRIPTORS: *Formates, Manganese compounds,
Copper compounds, *Pyrolysis, Iron compounds,
Nickel compounds, Cobalt compounds.

61-17579

- I. Kornienko, V. P.
- II. MTWL-929
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

TT-64-14145

Kolotti, A. A.
ELECTROLYTIC ISOLATION OF METALLIC LITHIUM
ON LIQUID LEAD CATHODE [Elektroliticheskoe Vy-
delenie Metallichesкого Litiya na Zhidkoi Svintsovom
Katode]. [1963] 9p (figs omitted) 9refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14145

I. Kolotti, A. A.
II. RT-2192

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1952,
v. 18, no. 6, p. 667-671.
Another trans. is available from SLA as RT-2192, 11p

(Chemistry--Physical, TT, v. 11, no. 12)

Office of Technical Services

Electrolytic Isolation of Metallic Lithium
on Liquid Lead Cathode, by A. A. Kolotiy, 11 pp.

RUSSIAN, per, Ukrainskiy Khim Zhur, Vol XVIII,
No 6, 1952, pp 667-671. *CIA 90 33077-3 6/10/54*

Sci Tr Center
RT-2192

Scientific - Chemistry
CTS 70/Jul 55

25,229

Reaction of Chlorine and Ammonia Under
Conditions of Purification of Drinking Water
by Chlorination, by L. A. Keelskiy, O. K.
Lebedintseva, 1 p.

RUSSIAN, per, Ukrain Khim Zhur, Vol XVIII,
1952, pp 673-682.

S. A. H. T. R-701 AEC Tr 2378

Sci. - Chemistry

32,469

Purification of Waste Water With Aluminum Sulfate ~~for~~
for the Removal of Emulsified Petroleum Products, by
V. G. Perestavlov

RUSSIAN, ~~Per~~, Ukrain Khim Zhur, Vol XIX, 1953,
pp 223-229.

Assoc Tech Sv, RJ-136

Scientific - Chemistry Price \$10.40
Aug CES/DEX

17,228

Determination of the Beginning of Precipitation
of Hydroxides of Metals by the Polarographic Method
and Determination of the Solubility Products of
Hydroxides of Titanium and Aluminum, by P. N.
Kovalenko, V. N. Nestorovich, 13 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XVIII, 1952,
pp 635-640.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-331

Sci - Chem

Sep 57

IAC INTERNAL USE ONLY

53,339

The Instability Constants of Thiourea Complexes of
Copper, Silver and Mercury, by A. T. Pilipenko,
G. S. Lisetskaya, 6 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XIX, No 1, 1953,
pp 81-85.

CIA/FDD XX-1290

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Nov 62

USIB INTERNAL USE ONLY

216, 242

Markov, B. F. and Dellmarskii, Yu. K.
ELECTROLYTIC DISSOCIATION OF FUSED SALTS
[1963] 16p.

Order from K-H \$16.00

K-H 3737 f

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1953,
v. 19, p. 255-265.

DESCRIPTORS: *Electrolysis, *Dissociation, *Fused
materials, Salts, Electrochemistry.

(Chemistry--Physical, TT, v. 10, no. 1)

63-17294

- I. Markov, B. F.
- II. Dellmarskii, Yu. K.
- III. K-H-3737-f
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

TT-64-15-32

Office of Technical Services

Electrolytic Dissociation in Fused Salts, by
B. F. Kiselev Markov, Yu. K. Delimarskiy. UNCL

UKRAINIAN, per, Ukrain Khim Zhurn, Vol XIX,
No 3, 1953, pp 255-263.

RAE 256

Sci - Chem
Dec 59

102, 436

Decomposition Potentials of the Systems
NaF - ZrF₄ and NaF - ZrF₄ - ZrO₂, by Yu. K.
Delimarskiy, A. A. Kolotiy, V. A. Lapa, 9 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XIX, 1953,
pp 372-376.

AEC Tr 2250

Scientific - Chemistry
CTS 73/Oct 1955

27,866

Measurement of Anodic Solution Potentials of
Sulphides, by N. Fortunatov, V. Mikhailovskaya.
UKRANIUM, per, Ukr Khim Zh, Vol 16, No 6, 1950,
pp 667-680.
CSIRO/No 9534

Sci/Chem
July 69

386-866

Melting Diagram of the System HgO-CaF₂, by
P. P. Mikhailov, B. O. Tretyakov, 2, 10 pp.

GERMANY, per, German Chem Abstr, Vol XIX, 1959,
pp 358-359.

ABC Tr 3576

Sci - Chem

May 59

86,147

The Crystallization of 2,6-Dimethyl-naphthalene
in Binary Systems with Homologs of Benzene,
Naphthalene, and Biphenyl, by V. M. Kravchenko,
I. S. Pastukhova, 9 pp.

UKRAINIANS, per. Ukrain'skiy Khim Zhur. Vol XIX,
No 6, 1953, pp 610-617.

ATS-61M38R

775/105-5115

Sci
Aug 61

OTS, Vol III, No 12

163,148

The Influence of Atmospheric Oxygen on the Viscosity
of Cuprammonium Solutions of Cotton Cellulose, by
A. A. Morozov, Z. L. Zosim, 18 pp.

RUSSIAN, per, Ukrainskiy Khim Zhur, Vol XIX, No 6,
1953, pp 687-696.

Sci Mus Lib Tr 57/3674

Sci - Chemistry

Mar 58

Apr

60,774

SLA R-2057

Dichlorofumaric Acid and Some of its Derivatives, by
S. A. Shilov et al.

UKRAINIAN

~~RUSSIAN~~, no per, Ukrain Khim Zhur, Vol XX, 1954,
pp 35-38.

Assoc Tech Sv
RJ-351

Sci - Chemistry

\$5.80

37,004

Aug 1956

63-16158

Fyalkov, Ya. A. and Davidenko, N. K.
PHYSICOCHEMICAL ANALYSIS OF BINARY SALT
SYSTEMS IN AQUEOUS SOLUTIONS. I. ELECTRO-
CONDUCTIVITY OF SYSTEMS CONSISTING OF THE
SULFATES OF POTASSIUM, SODIUM AND MAGNE-
SIUM. [1963] 14p. (figs. omitted) 32 refs.
Order from OTS or SLA \$1.60 63-16158

Trans. of [Ukrain[skii] Khim[icheski] Zhur[nal]] (USSR)
1954, v. 20, p. 343-349.

DESCRIPTORS: Salts, *Potassium compounds, *Sodium
compounds, *Magnesium compounds, *Sulfates,
Solutions, Electrical conductance, *Electrochemistry,
Chemical analysis.

Surveyed were the literature data and the theoretical
bases of the problem of the application of the measure-
ments of the electroconductivity as a method of physico-
(Chemistry--Analytical, TT, v. 10, no. 6) (over)

I. Fyalkov, Ya. A.
II. Davidenko, N. K.
III. Title: Electroconductivity.
By . . .

Office of Technical Services

Studies in the Chemistry of Cyanine Dyes. 7.
3, 3'-di-p-tolyl-6,6'-Dimethylthiacyanines,
by I. K. Ushenko, 13 pp.

RUSSIAN, per, Ukrainskiy Khimicheskii Zhurnal,
Vol. XX, 1954, pp 384-391.

Sci Mus Lit - 56/0072

Sci - Chemistry

33,797

May 1956

Savinov, B. G. and Protesenko, L. D.
CHROMATOGRAPHIC INVESTIGATION OF CAROTIN
PIGMENTS OF SQUASH, MOUNTAIN ASH, AND
SEA BUCKTHORN. [1962] 18p.
Order from K-H \$22.50

K-H 5027-b

Trans. of Ukrainskii Khim[icheskii] Zhurnal (USSR)
1954, v. 20, no. 4, p. 399-407.

DESCRIPTORS: *Chromatographic, Pigments, Analysis,
*Carotene, *Plants, Ash, Carotenoids.

(Biological Sciences--Biochemistry, TT, v. 8, no. 9)

62-22703

1. Title: Squash
2. Title: Sea buckthorn
- I. Savinov, B. G.
- II. Protesenko, L. D.
- III. K-H-5027-b
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

The Use of Ion-Exchange in Hydrochemical
Analysis, by M. V. Tovbin, P. G. Dyatlovich
UKOL

RUSSIAN, per, Ukrain Khim Zhur, Vol XI, No 4,
1954, pp 424-437.

ECB A.1459/8EH

Sci - Chem
Jan 60

105,785

Behavior of the Glass Tin - Sodium Electrode in
Various Molten Salts, by A. A. Kaletiy.

~~Ukrainian~~ *Ukrainian*
Ukrainian, *Ukrainian* per, *Ukrainian* Khim Zhur, Vol XX,
1954, pp 502-507.

AEC Tr 2479

Scientific - Chemistry; Min/Metals
Jul 56 C23/dex

NT 4215 36, 265

Colorimetric Method of Determining Traces of Boron,
by L. M. Kulberg, T. I. Badayeva.

RUSSIAN, per, Ukrainskii Khimicheskii Zhurnal,
Vol XX, No X 5, 1954, pp 555-563. CIA D 9010134

A.C.S.I.L. Tr 914

Sci - Chemistry
Jul 57

49, 887

512A R-213

Shkodin, A. M., Izmailov, N. A., and Dzyuba, N. P.
PROPERTIES OF ACIDS AND BASES IN ACID SOL-
VENTS. VII. STUDY OF THE STRENGTH OF MIN-
ERAL ACIDS IN MONOCHLORO- AND TRICHLORO-
ACETIC ACIDS. [1961] 8p.
Order from ATS \$12.80

ATS-96N53R

Trans. of Ukrain[skii] Khim[icheski] Zhur[nal] (USSR)
1954, v. 20, p. 595-601.

DESCRIPTORS: Acids, Organic solvents, Minerals.
*Acetic acids. *Chlorides.

(Chemistry--Organic, TT, v. 7, no. 4)

61-25461

- I. Shkodin, A. M.
- II. Izmailov, N. A.
- III. Dzyuba, N. P.
- IV. ATS-96N53R
- V. Title: Study ...
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/AT 5001

Office of Technical Services

Additive Properties of Mixed Solutions of Salts,
by G. I. Mikulin, 17 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XX, 1954,
pp 602-614.

SLA 60-17716

Sci

OTS, Vol IV, No 3

Sep 60

129,405

Diagrams of Phase Transformations of B. F. Markov,
I. D. Panchenko, 6 p.

RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
1954, Vol. XX, pp 620-625.

SLA 59-20180

Sci
Mar 60
Vol 2, No 11

109,555

Correlation Between Electromotive Forces of Chemical
Cells and Jacobi-Daniel Cells in Melts, by B. F. Markov,
10 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI, No 1,
1955, pp 21-26.

K-H 5114 b

OTS-7-64-16464

Sci-Chem

March 64

252,074

The Stability of Supersaturated Solutions of
Slightly Soluble Salts, by M. V. Rovbin, S. I.
Krasnov, 8 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI, 1955, pp
32-38.

SLA R-1846

Sci

Jul 59

92,438

Azo Derivatives of Benzothiazoles, by A. I.
Kipryanov, I. P. Fedorova, 10 pp.

RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol XXI, No 1, 1955, pp 76-80.

Sci Trans Center RT 3561

36,155

Chemistry

Jun 56 CTS

Studies of Phase Equilibria of the System
Naphthalene-2-Methylnaphthalene, by
H. H. Karavayev, et al.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI,
No 2, 1955, pp 176-181.

Assoc Tech Sv
RJ-523
\$6.90 (\$1.70)

Sol - Chemistry
Apr 1957 CTS/dex

46.781

Oxygen Depolarization on an Iron Prouous
Electrode, by A. A. Edigarian, N. N. Voronin,
20 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXI,
1955, pp 195-205.

^S
AEC Tr 2489

Sci -- Chemistry

36,590

Jul. 1956

The Dark Reaction and Photochemical Reaction of the
Decomposition of Water by the Complex Ion of Iron
(3)-O-Phenanthroline, by T. B. Glikman, M. E.
Poblinyavlov, 3 pp.

RUSSIAN, per, Ukrainskiy Khimicheskii Zhurnal, Vol
XXI, No 2, 1955, pp 211-214. CIA 9009547

ACHIL Tr 928

Sci - Physics
Nov 57

54,908

JLA R-2024

Kinetics of the Thermal Decomposition of Organic Peroxides, by E. K. Varfolomeyeva.

RUSSIAN, no per, Ukrain Khim Zhur, Vol XXI, No 2, 1955, pp 218-221.

Assoc Tech Sv
Tr RJ-582
\$5.40

52, 236

Sci - Chem
Sep 57

S-2716

RUSSIAN, per, Ukrain Khim Zhur', Vol XXI, 1955, pp
233-239.

Heat Capacity and Entropy of Sodium Succinate,
by I. I. Streikov, V. E. Genenko, A. V. Alapina,
3 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXI, 1955,
pp 291-295.

AEC Tr 2718

Sci - Chem

Sep 58

75 728

Dellmarakii, Yu. K., Turov, P. P., and Gitman,
E. B.
TRANSFERENCE NUMBERS IN MOLTEN LEAD
HALIDES. 9: (2 figs omitted) 4 refs
Order from CTS, SLA, or ETC \$1.10 TT-64-16462

Trans. of Ukrainaki Khimicheski Zhurnal (USSR)
1955, v. 21, no. 3, p. 314-317.

(Chemistry--Physical, TT, v. 12, no. 3)

TT-64-16462

I. Dellmarakii, Yu. K.
II. Turov, P. P.
III. Gitman, E. B.

Office of Technical Services

Thermal Chlorination of Petroleum n-Octane and
n-Nonane, by R.S.Galanina and A.S.Nekrasov.
RUSSIAN, per, Ukrainskii Khim Zhur, 1955, v. 21,
pp. 331-334.
IC-H-13077-c

Eng
Aug 66

307,679

On the Effect of the Anion Cl^- on Electrode Potentials of Metals in Fused Salts, by Yu. K. Delimarskiy, 10 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI, 1955, pp 449-456.

51,708-17
AEC Tr 2642

Sci - Electronics

40,183

10,240-1245

Polarographic Investigation of Molten Salts
Based on Potassium Chloride, by I. D. Panchenko,
4 pp.

RUSSIAN, per, Ukrain Khim Zhur., Vol XXI, 1955,
pp 468-471.

ABC Tr 2672

Sci - Chemistry
Jan 57 (13)

42,183

TT-64-10518

Koganovskii, A. M. and Taran, P. N.
OXIDATION OF AQUEOUS SULFITE SOLUTIONS IN
AERATION (Oksidatsiya Vodnykh Rastvorov Sul'fita pri
Aeratsii). [1968] [14p] (refs omitted)
Order from OTS, SLA, or ETC \$1.60 TT-64-10518

I. Koganovskii, A. M.
II. Taran, P. N.

Trans. of Ukrainian Khimicheskii Zhurnal (USSR)
1955, v. 21 [no. 4] p. 472-479. (Abstract available)

DESCRIPTORS: *Wastes (Industrial), Dyes, *Sulfites,
*Oxidation, Reaction kinetics, *Catalysts, *Manganese
compounds, Dioxides, pH.

A study was made of the kinetics of the oxidation of
dilute sulfite solutions on bubbling air through at pH 3-9
range both in the absence of foreign admixtures and in
the presence of a number of substances characteristic of
industrial discharge waters in the textile dye industry
(sulfite, thiosulfate, sodium tetrathionate, phenol,
(Chemistry--Inorganic, TTF, v. 11, no. 9) (over)

Office of Technical Services

CEA-tr-R-1453 Uncl.

LA CONDUCTIBILITE ELECTRIQUE DES OXYDES ET
LEUR APTITUDE AU MOUILLAGE PAR DES METAUX
LIQUIDES. (The Electric Conductivity of Oxides
and their Aptitude to Wetting by Liquid Metals).
V. N. Bremenko and Yu. (W.) V. Naidich
(Naiditch). Translated into French from
Ukrain. Khim. Zhur., 23: 573-5 (1957).
20p. (Includes original, 4p.).

Ceramics; Metallurgy; Translations MC-25

C-25 NP NSA Dep.(mc); \$1.60(fs), \$1.21(mf)
JCL or OTS

N-5

Thermodynamic Functions of Nitrogen Dioxide, by
V. P. Korotkov, 2 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI, No 5, 1955,
pp 554, 555.

ATS-RJ652

Sci

Aug 59

Determination of Decomposition Potentials of Molten
Fluorides of Alkaline and Alkaline Earth Metals,
by Yu. K. Delimarskiy, P. F. Grigorenko, 17 pp.

KRUMHOLTZ
FIZIKAL'SKAYA, per, Ukrain Khim Zhurn., Vol. XXI, 1955, pp 561-568.

ABC Tr 2538

Sci - Chemistry
Aug 1956 CTS/dax

37, 487

The Theory of the Kolbe-Schmitt Synthesis. Pt. II.
Importance of Disubstituted Salts in the Mechanism
of Carboxylation, by E. A. Shilov, I. V. Smolov-
Zankov, and K. I. Matkovskiy, 16 pp.

UKRAINEAN, per, Ukrain Khim Zhur (USSR), Vol XII,
1955, pp 600-613.

Assoc Tech Serv
4982/R

Sci - Chem
May 59
USS, V. I, No 6

86,320

Electrochemical Separation of Binary Alloys of
Pb with Bi, Sb, As and Sn in Molten Electrolytes,
by V. K. Delimarskiy, P. P. Turov, B. B. Eitman,
27 pp.

RUSSIAN
RZhS, per, Ukrain. Khim Zhur., Vol. XXI, 1955,
pp 687-693.

ABJ Tr 2539

Sci - Chemistry; Physics
Aug 1955 (RZS/Doc)

37,488

Thermodynamic Properties of Solutions of Molten
Salts, by B. F. Markov, 12 pp.

RECEIVED, per, Ukrain Khim Zhur, Vol XXI, 1955,
pp 703-709.

ABC Tr 2643

RT 4630

Sci - Physics

40,182

Acyl Derivatives of 2-Aminomethylbenzthiazole,
by A. I. Kiprianov, E. D. Samanaya-Ilyna,
G. G. Ryadyusha, 11 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXI, 1955,
pp 726-731.

Sci Mus Lib No 56/2447

Sci - Chemistry

4:2, 846

S-116/60

(DC-3508).

On the Mechanics of Hydrogen Exchange in
Solutions, by A. I. Shatenshteyn, 11 pp.

UKRAINEAN, per, Ukrain Khim Zhur, Vol XXIII.
No 1, 1956, pp 3-10.

JPRS 3332

Sci - Chem
Jun 60

117,285

S-87/60

(NY-3559).

Hydrogen Exchange in Solutions, by A. I. Brodskiy,
11 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXII, No 1,
1956, pp 11-13.

JPRS 2496

Sci - Chem
Apr 60

115,357

On the Theory of Electronic Processes in Metal-
Ammonia Solutions, by M. P. Deigen, Yu. A. Tsvirko.
41 pp.

UKRAINIAN
ENGLISH, per, Ukrain Khim Zhur, Vol I, 1956,
pp 245-259.

AEC Tr-4260

Sci - Chem
Jan 61

156,078

3-115/60

(DC-3608).

On the Kinetic Methods of Studying Hydrogen
Exchange, by S. Z. Roginskiy, 14 pp.

UKRAINIYAN, per, Ukrain Khim Zhur, Vol XXII,
No 1, 1950, pp 24-33.

JPRS 3333

Sci - Chem
Jun 60

117,284

The Process of Autoadsorption. Part I. The Surface
Tension of Salt Solutions, by H. V. Tovbin, Z. L.
Voevudskaya.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXII, No 2, 1956,
pp 173-179.

Assoc Tech Sv *Tr*
\$8.75

Sci - Chemistry
Aug 57

37,533

RJ-773

Thiazolocarboyanines With Aryl Radicals in
the Thiazole Nuclei. 2. 5,5'-di- and 4,4',5,5'-
tetraaryl Thiazolocarboyanines, by E. D. Suich.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXII, No 2,
1956, pp 217-222.

Sci Mus Lib Tr 56/4124
SLA - 61-13345
49,384

Sci - Chem
Jul 57

Gordon, B. Ye.

USE OF ADSORPTION POLAROGRAPHY IN QUALITY CONTROL (Primeneniye Adsorbtsionnoy Poliarografi v Sortirovki Antitsy). May 61 [18], 23 refs. RTS 1761. Order from OTS or SLA \$1.60 61-19913

Trans. of Ukrainsky Khimicheskyy Zhurnal (USSR) 1956, v. 22, no. 2, p. 239-246.

DESCRIPTIONS: Polarographic analysis, Quality control, Adsorption, Anesthetics, Food.

Absorption polarography is shown to be applicable to the problem of identifying the type or grade of a wide variety of products of the foodstuff flavoring and the pharmaceutical industries. In addition to the effect of surface-active materials on the polarographic mechanism, use may also be made of the retardation of the electrode process which these materials exhibit. A method capable of giving easily reproducible adsorption polarograms, in phosphate solutions of copper, is described. (Author)

61-19913

I. Gordon, B. Ye.

II. RTS-1761

III. Department of Scientific and Industrial Research (Gr. Brit.)

Office of Technical Services

(Chemistry-Physical, TT, v. 6, no. 3)